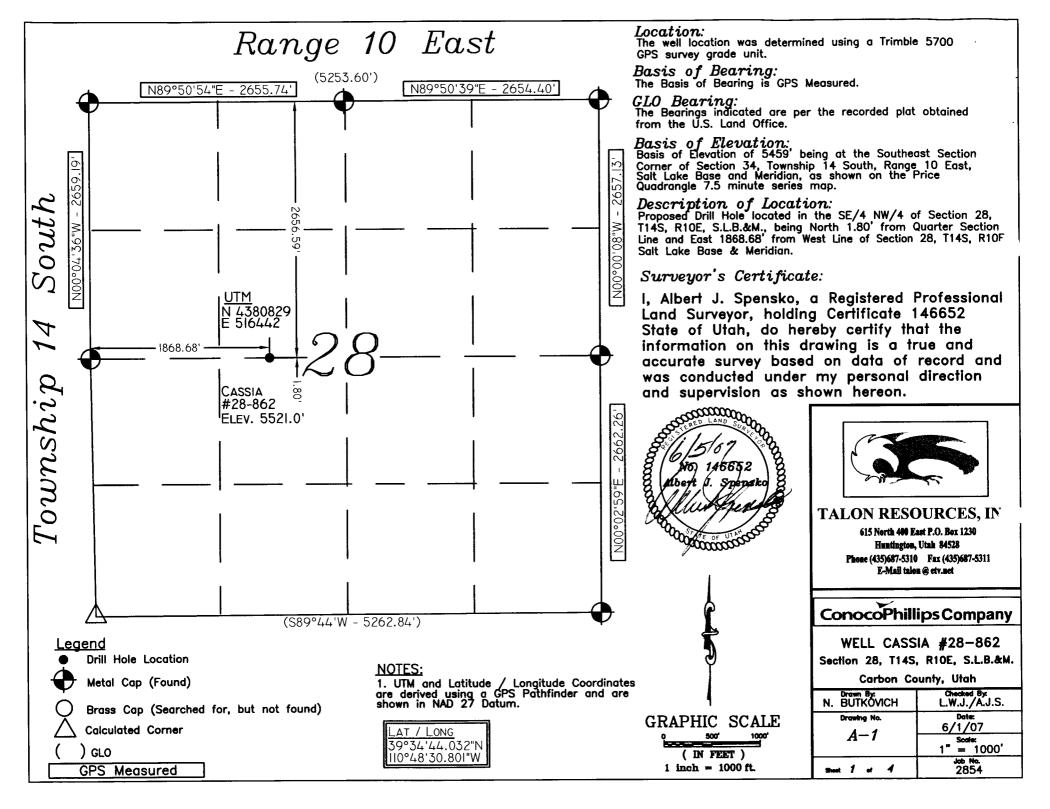
# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

FURIN	

AMENDED REPORT

					·			(highl	ight changes)
	-	APPLICAT	ION FO	R PERMIT TO	O DRILL			5. MINERAL LEASE NO:	6. SURFACE: Fee
1A. TYPE OF W	ORK: D	RILL 🔽 🛚 F	REENTER	DEEPEN		<u></u>		7. IF INDIAN, ALLOTTEE C	R TRIBE NAME:
B. TYPE OF W	ELL: OIL	GAS 🗸 C	OTHER	SIN	GLE ZONE	MULTIPLE ZO		B. UNIT OF CA AGREEMEN	T NAME:
2. NAME OF OP					· · · · · ·		8	. WELL NAME and NUMB	ER:
	illips Compa				-	PHONE NUMBER:		Cassia 28-862 FIELD AND POOL, OR	MAIL DCATZ
P.O. Box 5	1810	<sub>CITY</sub> Midlan	d s	TATE TX ZIP 79	710	(432) 688-694	. 1/	Drunkards Wasi	11/
4. LOCATION OF	F WELL (FOOTAGE	S)	51	6445x	39.578	909	/ 1	1. QTR/QTR, SECTION, T MERIDIAN:	OWNSHIP, RANGE,
AT SURFACE:	2656.59 F1 PRODUCING ZON	NL & 1868.68 √E:	3 FWL 43	TATE TX ZIP 79 6445 X 80830 Y	110.8	08 5 15/	( )		IS 10E
14. DISTANCE IN	MILES AND DIRE	CTION FROM NEAR	EST TOWN OR I	POST OFFICE:			1	2. COUNTY:	13. STATE:
Approxim	nately 1 mile	south of Price	ce, Utah					Carbon	UTAH
_	O NEAREST PROP	ERTY OR LEASE LIN	VE (FEET)	16. NUMBER O	F ACRES IN LEA	sgE:	17. NUM	BER OF ACRES ASSIGNE	D TO THIS WELL:
<u>~360'</u>			^	~		160	)		40
18. DISTANCE TO APPLIED FOI	O NEAREST WELL R) ON THIS LEASE	(DRILLING, COMPLI (FEET)	ETED, BR	D 19. PROPOSED	DEPTH		20. BONI	D DESCRIPTION:	770
1500' +/-			XI	<u></u>		1,600		ewide	
~		R DF, RT, GR, ETC.)	No 24	22. APPROXIM	TE DATE WOR	K WILL START:		MATED DURATION:	
3321	R	- d	100	10/1/200			30 d	ays 	
24.		$\mathcal{A}$	PROPO	SED CASING A	ND CEMEN	TING PROGRAM			
SIZE OF HOLE	CASING SIZE, C	RADE, AND WEIGH	T PER FOOT	SETTING DEPTH		CEMENT TYPE, Q	JANTITY, YIE	ELD, AND SLURRY WEIGH	IT
17 1/2	13 3/8"	H40	40.5#	60					
11	8 5/8"	J55	24#	400	185 sxs C	S + 2% CC .2	5 pps D	130 15.8 pp	g 1.16 ft3/sk
7 7/8"	5 1/2	M80	1 <b>5</b> .5#	1,600	285 sxs 5	0/50 G + 2% ge	el + .1de	fo <b>m</b> 14.1 pp	g
						·			
			<b>'</b>						
			·						
25.	V			ATTA	CHMENTS				
VERIFY THE FOL	LOWING ARE ATTA	ACHED IN ACCORDA	NCE WITH THE	UTAH OIL AND GAS CO	ONSERVATION (	GENERAL RULES:			
WELL PLA	AT OR MAP PREPA	RED BY LICENSED	SURVEYOR OR	ENGINEER	□ co	MPLETE DRILLING PLAN			
EVIDENC	E OF DIVISION OF	WATER RIGHTS AP	PROVAL FOR U	SE OF WATER	☐ FOI	RM 5, IF OPERATOR IS P	ERSON OR C	OMPANY OTHER THAN T	HE LEASE OWNER
	$\overline{}$	<u> </u>							
NAME (PLEASE F	PRINT) Donna	Williams	_		TITLE	Sr. Regulator	y Specia	list	
SIGNATURE	h	lin-	1		DATE	9/10/2007			
This space for Stat	e use only)	_							
•							ت	,	
	<i>[1]</i> :	2.107-7	129					RECEIV	'ED
API NUMBER ASS	GIGNED:	3-007-31	390		APPROVAL		and the same	SEP 1 2 2	ากกว



ConocoPhillips Company 3300 N. 'A' St. Bldg. 6 Midland. TX 79705



November 12, 2007

Utah Division of Oil, Gas, and Mining P.O. Box 145801 Salt Lake City, Utah 84114

Location Exception Request Cassia 28-862 2332.01 FNL & 2007.12 FWL SENW of 28-14S-10E Carbon County, Utah

#### Ladies and Gentlemen:

Pursuant to Utah Code R649-3-2, ConocoPhillips Company hereby respectfully requests administrative approval for a location exception for the referenced well due to topography issues that prevented the well from being spotted within the center of the 40 acre spacing unit. Furthermore, COP is 100% owner/operator of all tracts within a radius of 460' from the proposed well.

Should you have any questions, or need additional information, please do not hesitate to contact me at 432-688-6943.

Donna J. Williams

\$incerely,

Sr. Regulatory Specialist

#### FORM 3

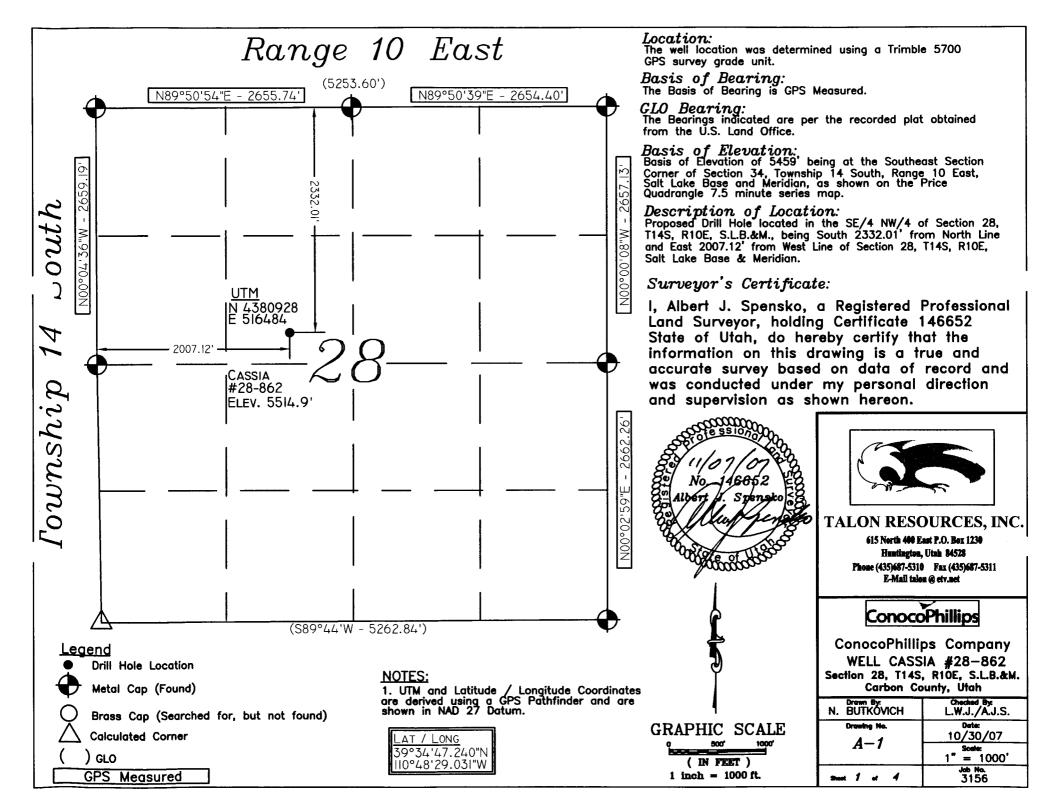
# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

			DIVI	SION OF OI	L, GAS AN	ID MINING				D REPORT <b>☑</b> t changes)
		APPLICAT	ION FOR F	PERMIT TO	DRILL			5. MINERAL I Fee	LEASE NO:	6. SURFACE: Fee
1A. TYPE OF W	ork: D	RILL 🔽	REENTER	DEEPEN				7. IF INDIAN, N/A	ALLOTTEE OR T	RIBE NAME:
B. TYPE OF WE	ELL: OIL	GAS 🗾	OTHER	SIN	GLE ZONE	MULTIPLE Z	ONE		AGREEMENT N	AME:
2. NAME OF OPI					<u>.                                    </u>			9. WELL NAM	ME and NUMBER:	
3. ADDRESS OF	illips Compa	any				PHONE NUMBER:		Cassia	28-862 ID POOL, OR WIL	DCAT:
P.O. Box 5	1810	<sub>CITY</sub> Midlar	nd STATE	E Tx ZIP 79	710	(432) 688-69	43	Drunka	rds Wash	
	WELL (FOOTAGE	•	514	,487x	-110.80	8024		11. QTR/QTR MERIDIAN	R, SECTION, TOW I:	NSHIP, RANGE,
		NL & 2007.1	2 FWL 43	180930Y		•		SENW	28 14S	10E
	D PRODUCING ZO			. 579803						
			REST TOWN OR POS	T OFFICE:				12. COUNTY  Carbon		13. STATE: UTAH
		south of Pri	-	16. NUMBER O	F ACRES IN LEA	SE:	17. N		RES ASSIGNED T	TO THIS WELL:
+/- 500'			` ,			16	60			40
	O NEAREST WELL R) ON THIS LEASE	(DRILLING, COMP	LETED, OR	19. PROPOSED	DEPTH:		i	OND DESCRIP	TION:	
1500 +/-	COLOMANATION	R DF, RT, GR, ETC	Y.	OO ADDDOVIM	ATE DATE WORI	1,60		Atewide	ATION!	
5514.9	S (SHOW WHE) HE	:R DF, R1, GR, E1C	.).	11/15/20		K WILL START.	1	onmarebbor days	RATION.	
				_ <b>_</b>					<del></del>	
24.					ND CEMEN	ITING PROGRA	M			
SIZE OF HOLE	<del>                                     </del>	GRADE, AND WEIG		SETTING DEPTH		CEMENT TYPE	, QUANTITY,	YIELD, AND S	LURRY WEIGHT	
17 1/2"	13 3/8" 8 5/8"	H40 J55	40.5#	60		G + 2% CC	.25 pps	D130	15.8 ppg	1.16 ft3/sl
7 7/8"	5 1/2"	M80	15.5#		ļ	50/50 G + 2%			14.1 ppg	
	J			1,000			3		FF9	110/4/
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	<u> </u>				<b>.</b>					
25.				ATTA	CHMENTS					
VERIFY THE FO	LLOWING ARE AT	TACHED IN ACCOR	DANCE WITH THE UT	TAH OIL AND GAS C	ONSERVATION	GENERAL RULES:				
WELL PI	AT OR MAP PREF	PARED BY LICENSE	D SURVEYOR OR EN	IGINEER		MPLETE DRILLING PL	AN -			
EVIDEN	CE OF DIVISION O	F WATER RIGHTS	APPROVAL FOR USE	OF WATER	☐ FO	RM 5, IF OPERATOR I	S PERSON (	OR COMPANY	OTHER THAN TH	E LEASE OWNER
·	-	<del>\</del>		<del></del>						
	1 Donna	a Williams	<u> </u>			₅ Sr. Regulat	ory Sne	cialist		
NAME (PLEASE	PRINT) Donna	<del>,                                    </del>	)		TITL		огу оро	Olaliot		
SIGNATURE		lul-	<u></u>		DAT			···		
(This space for Sta	ate use only)	-			roved by h Divisio					
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API NUMBER AS	SSIGNED: 4	3-007-3	31330		APPROVAI	L:	f ·	TOE		
					• •					

(11/2001)

NOV 1 3 2007

DIV. OF OIL, GAS & MINING



### EXHIBIT "D" DRILLING PROGRAM

Attached to Form 3
ConocoPhillips Company
Cassia 28-862
2332.01 FNL & 2007.12 FWL
SENW of 28-14S-10E
Carbon County, Utah

### 1. The Surface Geologic Formation

Mancos Shale

### 2. Estimated Tops of Important Geologic Markers

Blue Gate Shale Top

905

### 3. Projected Gas & H2O zones (Ferron Formation)

Coals and sandstones 1020-1600

No groundwater is expected to be encountered.

Casing & cementing will be done to protect potentially productive hydrocarbons, lost circulation zones, abnormal pressure zones, and prospectively valuable mineral deposits.

All indications of usable water will be reported.

Surface casing will be tested to 500 psi and Production casing tested to 1500 psi with a minimum of 1 psi/ft of the last casing string depth

### 4. The Proposed Casing and Cementing Programs

Hole Size	Casing Size	Wt/Ft	Grade	Joint	Depth set
17 ½"	13 3/8"	40.5	H-40	ST&C	0-60
11	8 5/8"	24#	J55	ST&C	0-400'
7 7/8"	5 1/2"	15.5#	M80	LT&C	0-1600'

### The following shall be entered in the driller's log:

- 1) Blowout preventer pressure tests, including test pressures and results;
- 2) Blowout preventer tests for proper functioning;
- 3) Blowout prevention drills conducted;
- 4) Casing run, including size, grade, weight, and depth set;
- 5) How the pipe was cemented, including amount of cement, type, whether cement circulated, location of the cementing tools, etc.;
- 6) Waiting on cement time for each casing string;
- 7) Casing pressure tests after cementing, including test pressures and results.

### 5. The Operator's Minimum Specifications for Pressure Control

Exhibit "G" is a schematic diagram of the blowout preventer equipment. A double gate 3000 psi BOPE will be used with a rotating head. This equipment will be tested to required pressures. All tests will be recorded in a Driller's Report Book. Physical operation of BOP's will be checked on each trip.

### 6. The Type and Characteristics of the Proposed Circulating Muds

0-400 11" hole Drill with air, will mud-up if necessary.
400-TD 7 7/8 hole Drill with air, will mud-up if necessary.
400 psi @ 1400-1600 cfm

### 7. The Testing, Logging and Coring Programs are as followed

400-TD Gamma Ray, Neutron Porosity, CBL

### Any Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. Bottom hole pressure expected is about 1256 psi max., however due to offset production pressures may be much lower. No hydrogen sulfide or other hazardous gases or fluids have been found, reported or are known to exist at these depths in the area.

### 8. Anticipated Starting Date and Duration of the Operations.

The well will be drilled around October 1, 2007

Verbal and/or written notifications listed below shall be submitted in accordance with instructions from the Division of Oil, Gas & Mining:

- (a) prior to beginning construction;
- (b) prior to spudding;
- (c) prior to running any casing or BOP tests;
- (d) prior to plugging the well, for verbal plugging instructions.

Spills, blowouts, fires, leaks, accidents or other unusual occurrences shall be reported to the Division of Oil, Gas & Mining immediately.

### SURFACE USE PLAN

Attached to Form 3
ConocoPhillips Company
Cassia 28-862
2332.01 FNL & 2007.12 FWL
SENW of 28-14S-10E
Carbon County, Utah

### 1. Existing Roads

- a. We do not plan to change, alter or improve upon any existing state or county roads
- b. Existing roads will be maintained in the same or better condition. See Exhibit "B".

### 2. Planned Access

Approximately 1300' of new access is required (Refer to Drawing L-1)

- a. Maximum Width: 24' travel surface with 27' base
- b. Maximum grade: 7%
- c. Turnouts: None
- d. Drainage design: 1 culverts may be required. Water will be diverted around well pad as necessary.
- e. If the well is productive, the road will be surfaced and maintained as necessary to prevent soil erosion and accommodate year-round traffic.
- f. Pipe and power lines will follow the proposed access road.

### 3. Location of Existing Wells

a. Refer to Drawing L-1.

### 4. Location of Existing and/or Proposed Facilities

- a. If the well is a producer, installation of production facilities will be as shown on Exhibit "H". Buried powerlines run along access on the east and north, gathering lines on the south or west.
- b. Rehabilitation of all pad areas not used for production facilities will be made in accordance with landowner stipulations.

### 5. Location and Type of Water Supply

- a. Water to be used for drilling will be purchased from the Price River Water Improvement District (a local source of municipal water) (tel. 435-637-6350).
- b. Water will be transported by truck over approved access roads.
- c. No water well is to be drilled for this location.

### 6. Source of Construction Materials

- a. Any necessary construction materials needed will be obtained locally and hauled to the location on existing roads.
- b. No construction or surfacing materials will be taken from Federal/Indian land.

### 7. Methods for handling waste disposal

- a. As the well will be air drilled, a small reserve pit will be constructed with a minimum of one-half the total depth below the original ground surface on the lowest point within the pit. The pit will not be lined unless conditions encountered during construction warrant it or if deemed necessary by the DOGM representative during the pre-site inspection. Three sides of the reserve pit will be fenced within 24 hours after completion of construction and the fourth side within 24 hours after drilling operation cease with woven wire topped with barbed wire to a height of not less than four feet. The fence will be kept in good repair while the pit is drying.
- b. Following drilling, the liquid waste will be evaporated from the pit and the pit back-filled and returned to natural grade. No liquid hydrocarbons will be discharged to the reserve pit or location.
- c. In the event fluids are produced, any oil will be retained in tankage until sold and any water produced will be retained until its quality can be determined. The quality and quantity of the water will determine the method of disposal.
- c. Trash will be contained in a portable metal container and will be hauled from location periodically and disposed of at an approved disposal site. Chemical toilets will be placed on location and sewage will be disposed of at an appropriate disposal site.

### 8. Ancillary Facilities

a. We anticipate no need for ancillary facilities with the exception of one trailer to be located on the drill site.

### 9. Wellsite Layout

- a. Available topsoil will be removed from the location and stockpiled. Location of mud tanks, reserve and berm pits, and soil stockpiles will be located as shown on the attachments.
- b. A blooie pit will be located 100' from the drill hole. A line will be placed on the surface from the center hole to the pit. The pit will not be lined, but will be fenced on four sides to protect livestock/wildlife.
- c. Access to the well pad will be as shown on Drawing A-2 and L-1.
- d. Natural runoff will be diverted around the well pad.

### 10. Plans for Restoration of Surface

- a. All surface areas not required for producing operations will be graded to as near original condition as possible and contoured to maintain possible erosion to a minimum.
- b. Available topsoil will be stockpiled and will be evenly distributed over the disturbed areas and the area will be reseeded as prescribed by the landowner.
- c. Pits and any other area that would present a hazard to wildlife or livestock will be fenced off when the rig is released and removed.

### 11. Surface Ownership:

a. The wellsite and access road will be constructed on lands owned by Burke H. Scholer as President of Cassia Grazing Assocation Inc. The operator shall contact the landowner representative and the Division of Oil, Gas and Mining 48 hours prior to beginning construction activities

### 12. Other Information:

- a. The primary surface use is farming and grazing. The nearest dwelling is approximately ½ mile north.
- b. Nearest live water is the Price River located approximately 1 mile east.
- c. If there is snow on the ground when construction begins, it will be removed before the soil is disturbed and piled downhill from the topsoil stockpile location.
- d. The backslope and foreslope will be constructed no steeper than 4:1.
- e. All equipment and vehicles will be confined to the access road and well pad.
- f. A complete copy of the approved Application for Permit to Drill (APD) including conditions and stipulations, shall be on the wellsite during construction and drilling operations.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the Division of Oil, Gas & Mining.

### **Cementing Program**

The 9 5/8" surface casing will be set with approximately 185 sacks Class G or Type V cement with 2% CC + ½ pps D130 mixed at 15.8 ppg (yield =1.16 ft<sup>3</sup>/sx). The cement will be circulated back to surface with 100% excess.

The 5  $\frac{1}{2}$ " production casing will be set and cemented using a single stage cementing process.

Cement Program: Pump 285 sxs 50/50 Poz Class G + 2% gel + .1% defoamer + .2% uniflac + .2% dispersant + .125 pps cellophane flakes mixed at 14.1 ppg.

The above cement volumes are approximate and are calculated under the assumption that a gauge hole will be achieved. If the cement does not return to surface, a cement bond log will be run to determine the top of cement. In the case where the cement is below the surface casing shoe, the casing will be perforated and squeeze cemented to the surface. If the cement is above the surface casing shoe, cement will be one-inched to the surface.

### 13. Company Representative

Jean Semborski
Construction/Asset Integrity Supervisor
ConocoPhillips Company
P.O. Box 851
6825 South 5300 West
Price, Utah 84501
(435) 613-9777
(435) 820-9807

### **Excavation Contractor**

Larry Jensen, Vice President Nelco Contractors Inc. (435) 637-3495 (435) 636-5268

### Mail Approved A.P.D. To:

Donna Williams Sr. Regulatory Analyst ConocoPhillips Company P.O. Box 51810 Midland, Texas 79710

### 14. Certification

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct, and that the work associated with the operations proposed herein will be performed by ConocoPhillips Company and its subcontractors in conformity with this plan and the terms and conditions under which it is approved.

9/10/07

Date

Donna Williams

Sr. Regulatory Analyst ConocoPhillips Company

### AFFIDAVIT CONCERNING SURFACE USE AGREEMENT

STATE OF COLORADO	}
COUNTY OF DENVER	} }

Brandon W. Treese, being first duly sworn upon his oath, deposes and says:

- 1. I am an Agent in the Property Tax, Real Estate, Right of Way and Claims Organization of ConocoPhillips Company, a Delaware corporation duly authorized to transact business in the State of Utah, ("COPC") and am authorized to execute this Affidavit on behalf of said corporation.
- 2. Burke H. Scholer, as President of Cassia Grazing Association, Inc., whose address is 2350 W. Hubbard Road, Kuna, Idaho 83634, ("Surface Owner") owns the surface estate of property located in the Southeast one quarter of the Northwest one quarter of Section 28, Township 14 South, Range 10 East, S.L.B.&M. Carbon County, Utah ("Property").
- 3. COPC owns or operates oil and gas rights, including mineral leases, and may become holder of other oil and gas rights, including mineral leases, underlying and in the vicinity of the Property ("Leases") and desires to enter on the Property for the purposes of conducting oil and gas operations related to such oil and gas rights, including mineral leases.
- 4. The Surface Owner executed a Surface Use and Damage Agreement effective as of the 22<sup>nd</sup> Day of August 2007 which covers the Property. In addition to other agreements and as required by the State of Utah Division of Oil, Gas and Mining, Oil and Gas Conservation General Rules, R649-3-34 ("Well Site Restoration Rules"), the Surface Use and Damage Agreement sets forth the agreement between the parties for the protection of surface resources, reclamation of the Property and well site restoration, or damages in lieu thereof, for the surface pad location for COPC's 28-862 well and associated infrastructure, which will be located on the Property. A Memorandum of Surface Use and Damage Agreement is being filed in the public records of Carbon County, Utah.
- 5. I execute and record this affidavit in accordance with the requirements of the Well Site Restoration Rules.

File: Well No. Cassia 28-862 1 of 2

6. The matters stated herein are true of my own knowledge, except to any matters stated herein upon information and belief, and, as to those matters, I believe them to be true.

DATED this 7th day of September 2007.

BRANDON W. TREESE

ConocoPhillips Company Property Tax, Real Estate,

Right of Way and Claims

Agent

Subscribed, sworn and acknowledged to and by Brandon W. Treese before me this 7th day of September 2007.

NOTARY PUBLIC

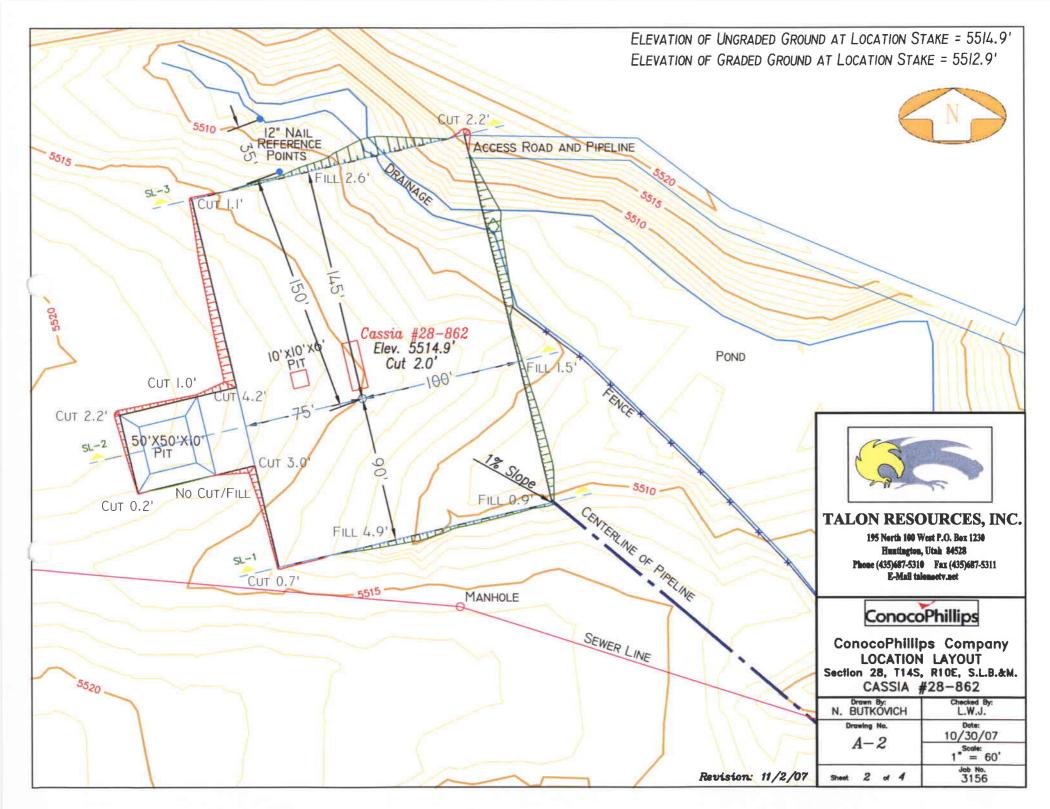
For the State of Colorado

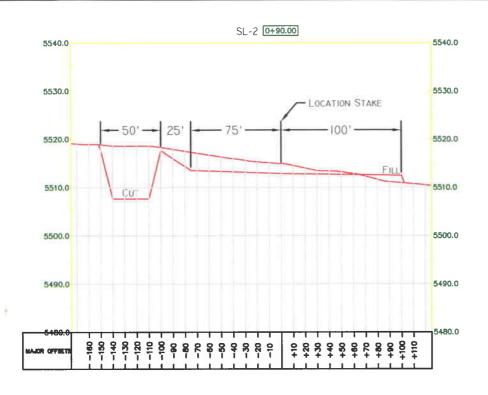
My Commission Expires:

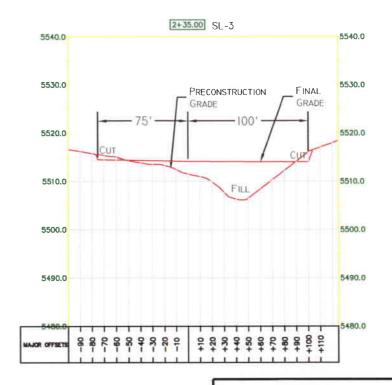
5-2-2010

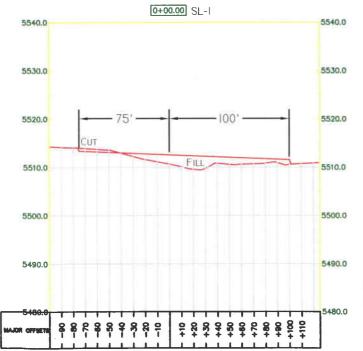
# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Bond No. 6196922 DIVISIO	ON OF OIL, GAS AND MINING
	SURETY BOND
KNOW ALL MEN BY THESE PRESENTS: CONOCOPHILLIPS CON	PANY as Principal,
That we (operator name)CONOCOPHILLIPS CON- and	
(surety name) SAFECO INSURANCE COMPANY OF and qualified to do business in the State of Utah, are he	AMERICA as Surety, duly authorized id and firmly bound unto the State of Utah in the sum of:
RIGHTY THOUSAND AND NO/100*******	**************************************
THE CONDITION OF THIS OBLIGATION IS SUCH THE repairing, operating, and plugging and abandonment of oil or gas production and/or the injection and disposal of	AT, WHEREAS the Principal is or will be engaged in the drilling, redrilling, deepening, a well or wells and restoring the well site or sites in the State of Utah for the purposes of fluids in connection therewith for the following described land or well:
Blanket Bond: To cover all wells	drilled in the State of Utah
Individual Bond: Well No:	
Section:	Township: Range:
County:	, Utah
IN TESTIMONY WHEREOF, said Principal has hereunt officers and its corporate or notary seal to be affixed this	
30th day of Dec	
(Corporate or Notary Seal here)	Principal (company name) .
	Name (print) Title Manager  Caroer 7. Hugher
Attestor: 6 Throng Date: 12 30 0	Signifiure
IN TESTIMONY WHEREOF, said Surety has caused to be affixed this	is instrument to be signed by its duly authorized officers and its corporate or notary seal
<u>1ST</u> day of <u>JANÚARY</u>	, 20_03
	Surely Company (Attach Power of Attorney)
(Corporate or Notary Seal here)	Name (print)
	Signature
Carolya E. Wheeler	Surety Mailing Address
CAROLYN E. WHEELER NOTARY PUBLIC MY COMMISSION EXPIRES: NOVEMBER 1, 2006	City State Zip



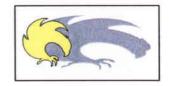






SLOPE = | 1/2 : | (EXCEPT PIT) PIT SLOPE = | : |





### TALON RESOURCES, INC.

195 North 100 West P.O. Box 1230 Huntington, Utah 84528 Phone (435)687-5310 Fax (435)687-5311 E-Mail talonoetv.net

### ConocoPhillips

ConocoPhillips Company
TYPICAL CROSS SECTION
Section 28, T14S, R10E, S.L.B.&M.
CASSIA #28-862

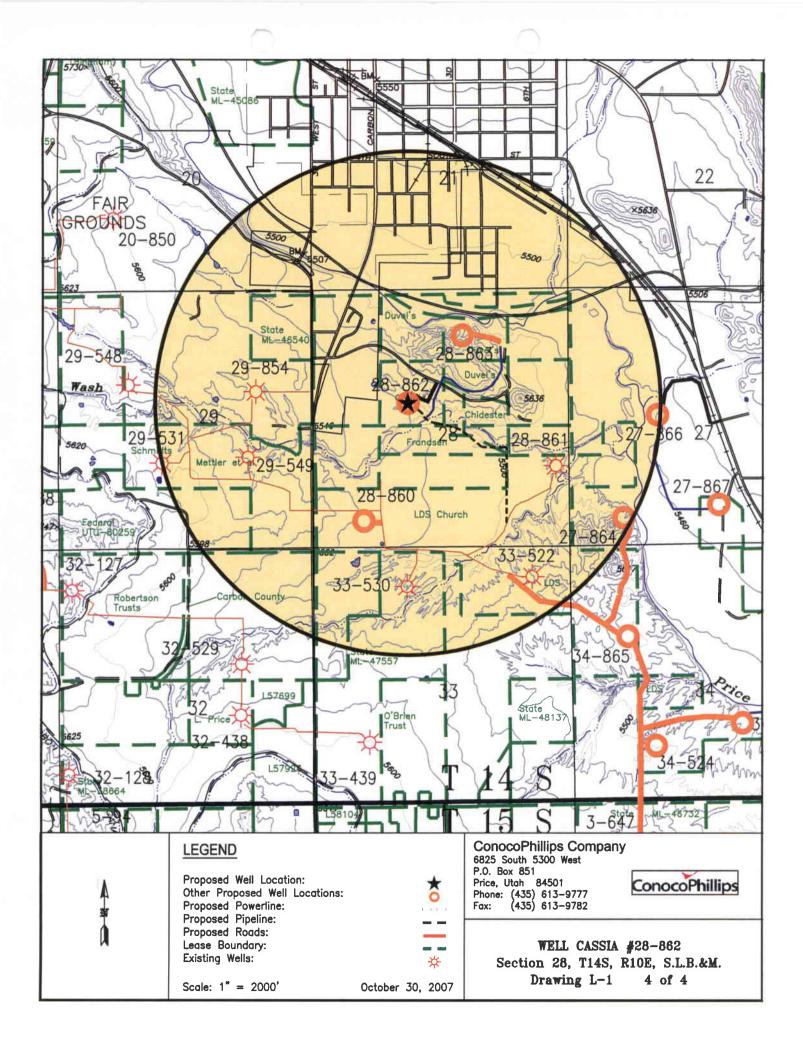
N. BUTKOVICH	Checked By: L.W.J.					
Drawing No.	Date: 10/30/07					
C-7	1" = 80'					
Sheet 3 of 4	Job No. 3156					

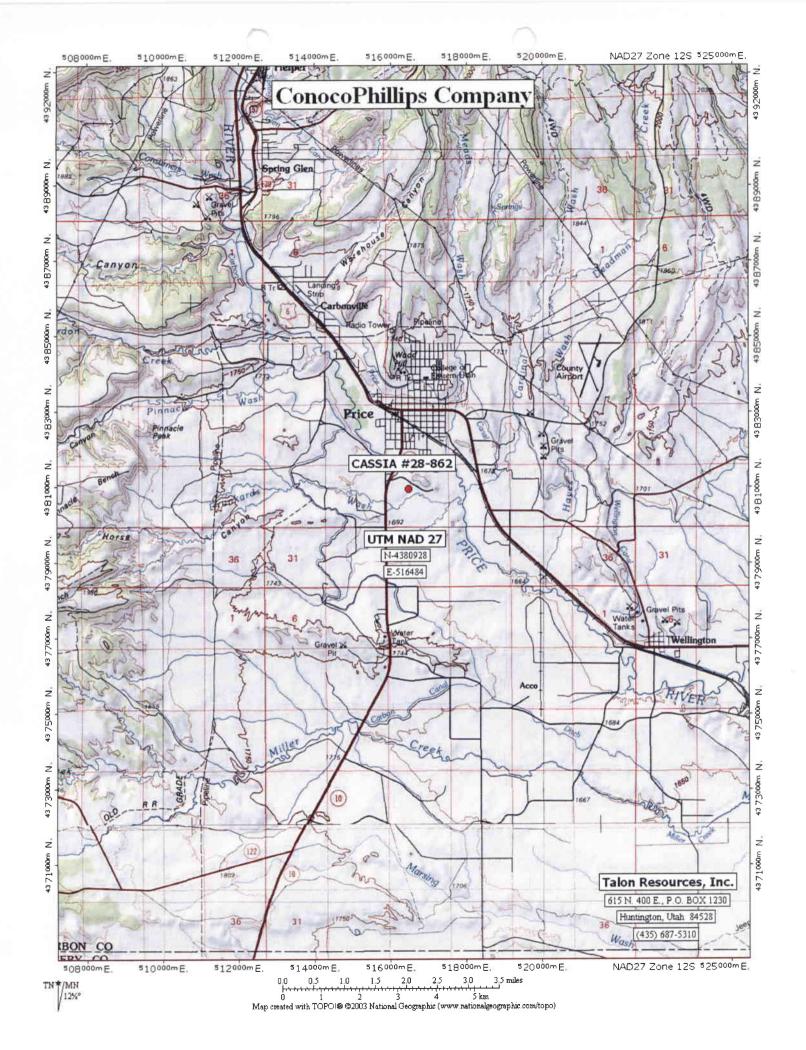
### APPROXIMATE YARDAGES

(6")TOPSOIL STRIPPING = 810 Cu. YDS.

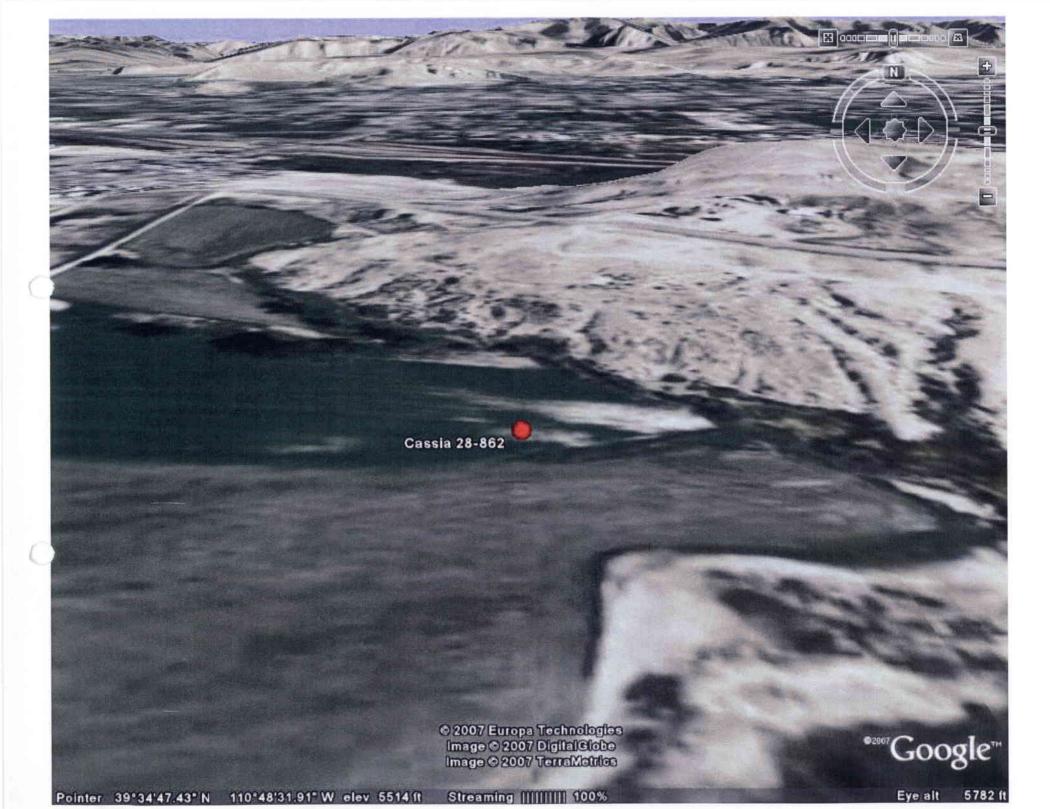
TOTAL CUT (INCLUDING PIT) = 2,425 Cu. YDS.

TOTAL FILL = 2,300 Cu. YDS.



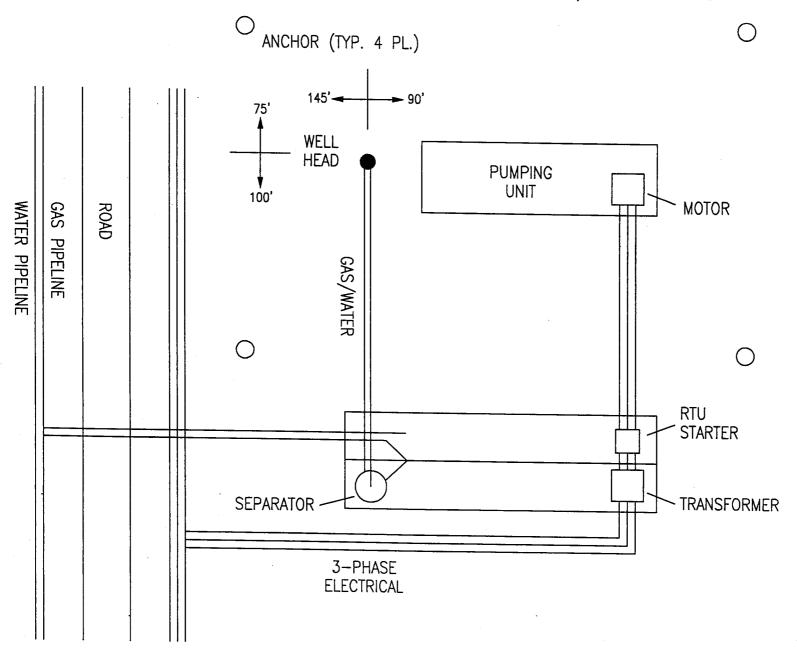




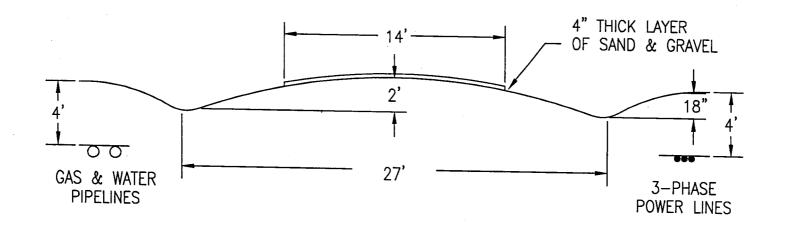


### CONOCOPHILLIPS COMPANY

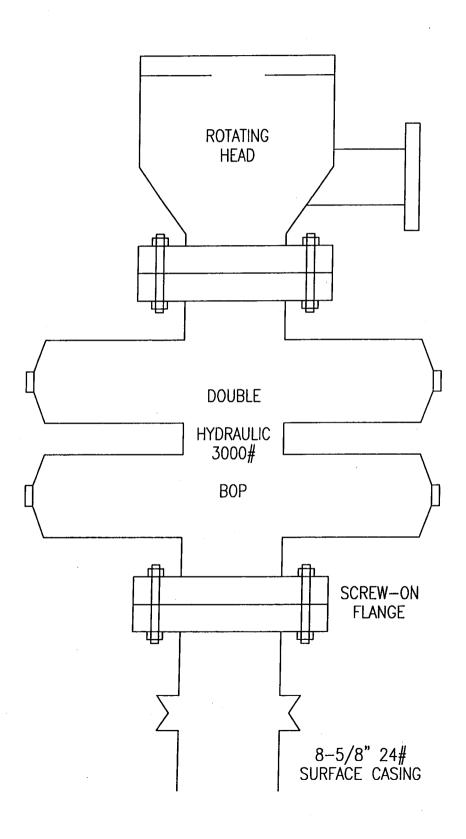
WELL SITE LAYOUT (235' x 175')



# TYPICAL ROAD CROSS-SECTION CONOCOPHILLIPS COMPANY



### <u>DIVERTER HEAD</u> CONOCOPHILLIPS COMPANY

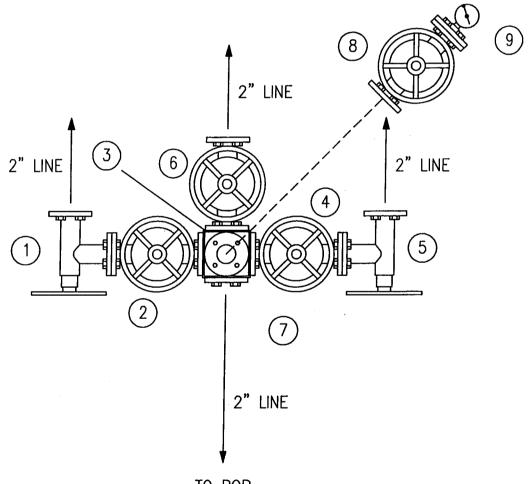


### CONOCOPHILLIPS COMPANY

- 5M FLANGED CHOKE
- 5M GATE VALVE (FLANGED)
- 5M STUDDED CRÒSS
- 5M GATE VALVE (FLANGED)
- 2" 5M FLANGED CHOKE
- 2" 5M GATE VALVE (FLANGED)
- 2" LINE
- 2" 5M GATE VALVE (FLANGED) 3000# GAUGE

### NOTE:

NUMBER 8 GATE VALVE SITS ON TOP OF MANIFOLD BETWEEN STUDDED CROSS AND 3000# GAUGE.

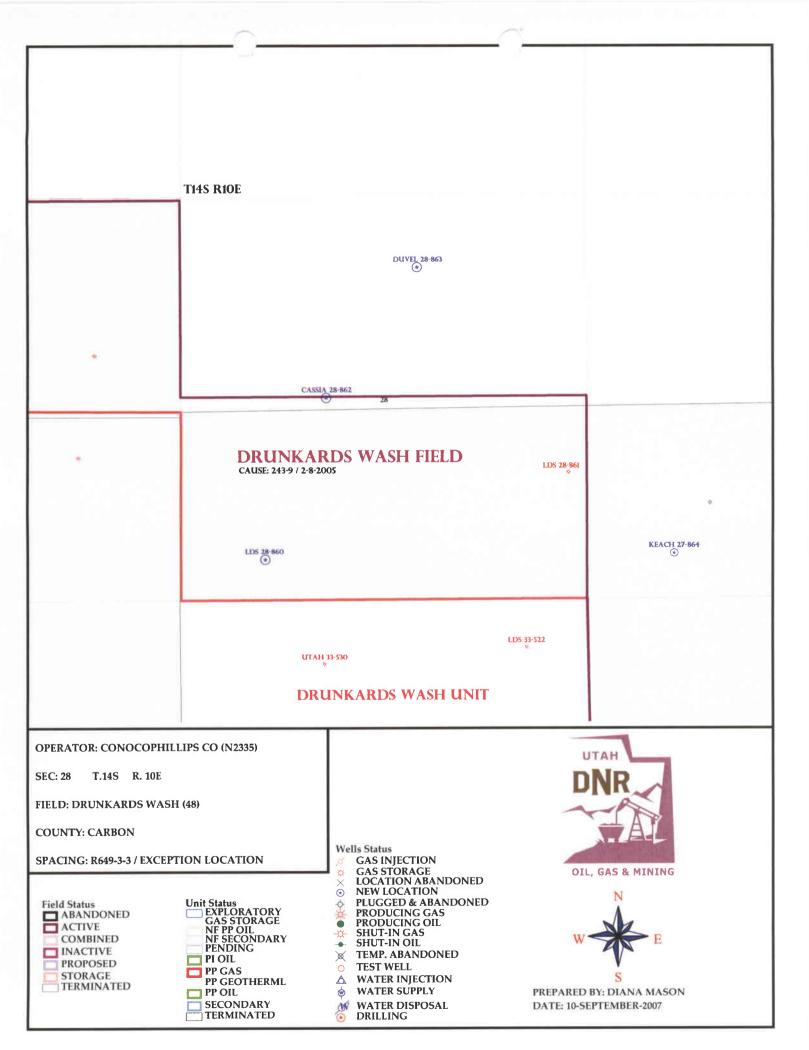


TO BOP AND A NEW 2" BALL VALVE FULL OPEN 5000 PSI

### **MANIFOLD**

### WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/13/2007		API NO. ASSIGNED: 43-007-31330						
WELL NAME: CASSIA 28-862 OPERATOR: CONOCOPHILLIPS COMPANY ( N2335 CONTACT: DONNA WILLIAMS		PHONE NUMBER: 432-688-6943						
PROPOSED LOCATION:		INSPECT LOCATN	BY: /	/				
SENW 28 140S 100E SURFACE: 2332 FNL 2007 FWL		Tech Review	Initials	Date				
BOTTOM: 2332 FNL 2007 FWL		Engineering	ORD	12/5/07				
COUNTY: CARBON		Geology						
LATITUDE: 39.57980 LONGITUDE: -110.8080 UTM SURF EASTINGS: 516487 NORTHINGS: 438	0930	Surface						
FIELD NAME: DRUNKARDS WASH ( 48			<u> </u>					
LEASE TYPE: 4 - Fee  LEASE NUMBER: FEE  SURFACE OWNER: 4 - Fee	П	PROPOSED FORMA		SD				
RECEIVED AND/OR REVIEWED:		ON AND SITING:						
Plat	Unit:_ R S R	649-2-3.  649-3-2. Gener iting: 460 From Que 649-3-3. Excep rilling Unit Board Cause No: Eff Date: Siting:	tr/Qtr & 920'					
COMMENTS:	presit (	10-09-07	)					
STIPULATIONS: 1 Spacen (Slipe 2- Statement of Pasis								



# **Application for Permit to Drill**

Statement of Basis

11/28/2007

### Utah Division of Oil. Gas and Mining

Page 1

**CBM Surf Ownr** Well Type Status APD No API WellNo P No GW 43-007-31330-00-00 551

CONOCOPHILLIPS COMPANY Operator **Surface Owner-APD** 

Unit Well Name CASSIA 28-862

DRUNKARDS WASH Type of Work Field

GPS Coord (UTM) 516487E 4380930N 2332 FNL 2007 FWL Location SENW 28 14S 10E S

### Geologic Statement of Basis

A silty, poorly permeable soil is developed on the Blue Gate Member of the Mancos Shale. No aquifers with high quality ground water are likely to be encountered. The proposed casing and cement program will adequately isolate any water-bearing strata. Two water rights have been filed on a single water well within a mile of the location (192' deep water well in the SWSW corner in adjacent Section 22, Township 14 South, Range 10 East). This shallow well is about ¾ mile northeast of the location.

11/27/2007 Chris Kierst **APD Evaluator** Date / Time

### **Surface Statement of Basis**

The pit will need to be lined based on pit ranking criteria, this liner will need to be completely removed to prevent it from being exposed in year-to-year farming operations. Drainages, including field runoff will be diverted around the well-pad. Pad may become "boggy" due to a high water table and field irrigation, this may require pit tun or other material to help firm up and stabilize the well-pad. COPC will address this concern if it becomes a problem. A PRWID sewer line exists near the south boundary of this pad and along the access route for which Blue Stakes should be called for.

10/9/2007 Mark Jones Date / Time **Onsite Evaluator** 

### Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.
Pits	The liner will be completely removed prior to pit reclamation.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	

### ON-SITE PREDRILL EVALUATION

### Utah Division of Oil, Gas and Mining

**Operator** 

CONOCOPHILLIPS COMPANY

Well Name

**CASSIA 28-862** 

43-007-31330-0

**API Number** 

**APD No 551** Tw 14S

Field/Unit DRUNKARDS WASH

2332 FNL 2007 FWL

Location: 1/4.1/4 SENW

**Sec** 28

Rng 10E

**GPS Coord (UTM)** 516486

4380939

**Surface Owner** 

### **Participants**

M. Jones (DOGM), J. Semborski, Brandon Trease (COPC), Gayla Williams (Carbon County). Landowner not present however the lessee Lyle Jones contacted DOGM with input relative to the current and future surface use of the property.

### Regional/Local Setting & Topography

Staked location is south of Price, Utah ~1 mile and east of Highway 10 ~.5 mile. North of Drunkards Wash ~400 feet. Location is staked in a producing alfalfa field next to a stock watering pond.

### Surface Use Plan

#### **Current Surface Use**

Agricultural

**New Road** 

Miles Well Pad Src Const Material

**Surface Formation** 

0.25

Width 175

Length 235

Onsite

Ancillary Facilities N

### Waste Management Plan Adequate?

### **Environmental Parameters**

### Affected Floodplains and/or Wetland Y

next to a stock watering pond, pad will be in close proximity to pond at NE corner, road will access at this point.

#### Flora / Fauna

producing alfalfa field.

### Soil Type and Characteristics

clay loam

**Erosion Issues** 

Sedimentation Issues N

#### Site Stability Issues Y

could be unstable due to high water table, this will need to be watched for during construction phase of the well.

### Drainage Diverson Required Y

field drainage must be provided to not impact the farm nor the farming ops impact the well-pad.

### Berm Required? Y

Drunkards Wash standards.

Paleo Survey Run? N Paleo Potental Observed? N Cultural Survey Run? N Cultural Resources? N

#### Reserve Pit

Site-Specific Factors		Site F	Ranking		
Distance to Groundwater (feet)	25 to 75		15		
Distance to Surface Water (feet)	<100		20		
Dist. Nearest Municipal Well (ft)	>5280		0		
Distance to Other Wells (feet)	>1320		0		
Native Soil Type	Mod permeability		10		
Fluid Type	Air/mist		0		
Drill Cuttings	Normal Rock		0		
Annual Precipitation (inches)	10 to 20		5		
Affected Populations	<10		0		
Presence Nearby Utility Conduits	Present		15		
		Final Score	65	1	Sensitivity Level

### Characteristics / Requirements

Dugout Earthen pit (50x50x10) exterior to the pad will be constructed. It is recommended that this site be lined with a 12 mil minimum liner, and that the liner be completely removed prior to pit reclamation in order to prevent it from being exposed through year to year farming ops.

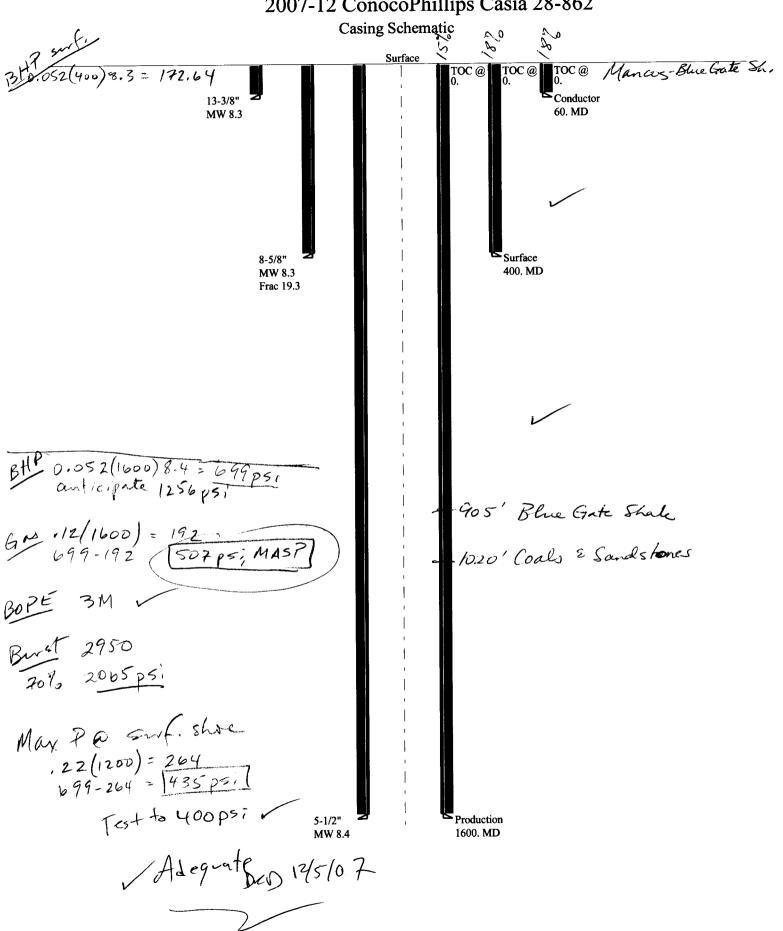
Closed Loop Mud Required? N Liner Required? Y Liner Thickness 12 Pit Underlayment Required? N

### Other Observations / Comments

The landowner, Burke Scholor, was contacted by ConocoPhillips and visited with the of the property and COPC representatives regarding the lovation of the well-pad and access road. At the lessee's request, after finding out about the location of the center section line, the location was moved to a new spot, which an ammended form #3 was submitted ot the Division with the pertinent information. Carbon County representative Gayla Williams also visited the site and noted the current county stipulation of being @ least 650' away from a residential dwelling with the drill point, which the drill point is outside of the 650' radius of the nearest dwelling. The new location, after the move, needs to have a final approval from the landowner prior to construction activities beginning. At the lessee's request the reserve pit will need to be reclaimed ASAP upon completion of the well to allow farming operations to resume. The pit will need to be lined based on pit ranking criteria, this liner will need to be completely removed to prevent it from being exposed in year-to-year farming operations. The road will access the pad at the NE corner on the north side of the drainage and the pond, the drianage will be diverted under the road though a culvert. Drainages, including field runoff will be diverted around the well-pad.

Mark Jones 10/9/2007
Evaluator Date / Time

2007-12 ConocoPhillips Casıa 28-862



2007-12 ConocoPhillips Casia 28-862 Well name:

**ConocoPhillips Company** Operator:

Conductor Project ID: String type: 43-007-31330

Carbon County Location:

**Environment:** Design parameters: Minimum design factors: H2S considered?

Collapse Collapse:

65 °F Surface temperature: 8.330 ppg Design factor 1.125 Mud weight: Bottom hole temperature: 66 °F Design is based on evacuated pipe.

Temperature gradient: 1.40 °F/100ft 150 ft

Minimum section length: **Burst:** 

Design factor Surface 1.00 Cement top:

**Burst** Max anticipated surface

pressure: 19 psi Non-directional string. Internal gradient: 0.120 psi/ft Tension:

8 Round STC: 1.80 (J) Calculated BHP 26 psi 8 Round LTC: 1.80 (J) **Buttress:** 1.60 (J) No backup mud specified.

1.50 (J) Premium: Body yield: 1.50 (B)

> Tension is based on air weight. Neutral point: 53 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	60	13.375	48.00	H-40	ST&C	60	60	12.59	52.9
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	26	740	28.501	26	1730	66.63	3	322	99.99 J

Helen Sadik-Macdonald Prepared Div of Oil, Gas & Minerals by:

Phone: 801-538-5357 FAX: 801-359-3940

Date: December 3,2007 Salt Lake City, Utah

No

**ENGINEERING STIPULATIONS:** 

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

2007-12 ConocoPhillips Casia 28-862 Well name:

**ConocoPhillips Company** Operator:

Project ID: Surface String type: 43-007-31330

**Carbon County** Location:

Minimum design factors: **Environment:** Design parameters: H2S considered?

Collapse: Collapse

Mud weight: 8.330 ppg Design is based on evacuated pipe.

Surface temperature: Design factor 1.125

71 °F Bottom hole temperature: 1.40 °F/100ft Temperature gradient:

Minimum section length: 150 ft

**Burst:** 

Design factor 1.00 Cement top:

Surface

No

65 °F

**Burst** 

Max anticipated surface

352 psi pressure: 0.120 psi/ft Internal gradient:

Calculated BHP 400 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J) 1.80 (J) 8 Round LTC: 1.60 (J) **Buttress:** Premium: 1.50 (J)

1.50 (B) Body yield:

Tension is based on air weight. Neutral point: 350 ft Non-directional string.

Re subsequent strings:

Next setting depth: 1.600 ft Next mud weight: 8.400 ppg 698 psi Next setting BHP: 19.250 ppg Fracture mud wt: 400 ft Fracture depth:

Injection pressure:

400 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	400	8.625	24.00	J-55	ST&C	400	400	7.972	143
Run Seq	Collapse Load (psi) 173	Collapse Strength (psi) 1370	Collapse Design Factor 7.917	Burst Load (psi) 400	Burst Strength (psi) 2950	Burst Design Factor 7.38	Tension Load (Kips) 10	Tension Strength (Kips) 244	Tension Design Factor 25.42 J

Helen Sadik-Macdonald Prepared

Div of Oil, Gas & Minerals by:

Phone: 801-538-5357 FAX: 801-359-3940

Date: December 3,2007 Salt Lake City, Utah

**ENGINEERING STIPULATIONS:** 

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

2007-12 ConocoPhillips Casia 28-862 Well name:

**ConocoPhillips Company** Operator:

Project ID: Production String type: 43-007-31330

Carbon County Location:

**Environment:** Design parameters: Minimum design factors: H2S considered? Collapse:

No Collapse 65 °F Surface temperature: 8.400 ppg Design factor 1.125 Mud weight: 87 °F Bottom hole temperature:

Design is based on evacuated pipe. 1.40 °F/100ft Temperature gradient:

Minimum section length: 368 ft

Non-directional string.

**Burst:** 

1.00 Cement top: Surface Design factor

**Burst** Max anticipated surface

pressure: 346 psi 0.220 psi/ft Tension: Internal gradient: 698 psi 8 Round STC: Calculated BHP

8 Round LTC: 1.60 (J) **Buttress:** No backup mud specified.

1.50 (J) Premium: 1.50 (B) Body yield:

> Tension is based on air weight. Neutral point: 1,397 ft

1.80 (J) 1.80 (J)

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1600	5.5	15.50	M-80	LT&C	1600	1600	4.887	213.8
Run Seq	Collapse Load (psi) 698	Collapse Strength (psi) 4990	Collapse Design Factor 7.147	Burst Load (psi) 698	Burst Strength (psi) 7000	Burst Design Factor 10.03	Tension Load (Kips) 25	Tension Strength (Kips) 282	Tension Design Factor 11.37 J

Helen Sadik-Macdonald Prepared Div of Oil, Gas & Minerals by:

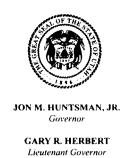
Phone: 801-538-5357 FAX: 801-359-3940

Date: December 3,2007 Salt Lake City, Utah

**ENGINEERING STIPULATIONS:** 

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.



## State J. Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

**Division of Oil Gas and Mining** 

JOHN R. BAZA
Division Director

December 6, 2007

ConoccoPhillips Company P O Box 51810 Midland, TX 79710

Re:

Cassia 28-862 Well, 2332' FNL, 2007' FWL, SE NW, Sec. 28, T. 14 South, R. 10 East,

Carbon County, Utah

### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-007-31330.

Sincerely,

Sufflit

Gil Hunt

Associate Director

pab Enclosures

cc: (

Carbon County Assessor



Operator:	ConoccoPhillips Company	
Well Name & Number	Cassia 28-862	
API Number:	43-007-31330	
Lease:	FEE	
•		

Location: <u>SE NW</u>

**Sec.** 28

T. 14 South

**R.** 10 East

### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### 2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment contact Dan Jarvis
- 24 hours prior to spudding the well contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well contact Dustin Doucet
- Any changes to the approved drilling plan contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

• Dan Jarvis at: (801) 538-5338 office (801) 942-0873 home

• Carol Daniels at: (801) 538-5284 office

• Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page Two 43-007-31330 December 6, 2007

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

### **DIVISION OF OIL, GAS AND MINING**

### **SPUDDING INFORMATION**

Name of Cor	mpany:	CONOCO	PHILL	IPS COME	PANY	
Well Name:		CASSIA 2	28-862		<del>~</del>	<u></u>
Api No:	43-007-313	30	L	ease Type:_	FEE	
Section 28	Township_	14S_Range_	10E	County_	CARBON	
Drilling Cor	ntractor	PENSE DRIL	LING	R	IG #	
SPUDDE	D:					
	Date	12/21/07	<del></del>			
	Time	1:00 PM				
	How	DRY	<del></del>			
Drilling wi	ill Commend	e:			···-	
Reported by		MIKE JOHN	<u>ISON</u>			
Telephone#		(307) 851-58	24			
Date	12/21/07	Signed	i (	СНД		

### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

		ENTITY ACTIC	ON FORM	
Operator:	ConocoPhillips Company		Operator Account Number: N 2335	
Address:	P. O. Box 51810			
	city Midland			
	state TX	<sub>zip</sub> 79710	Phone Number: (432) 688-6943	

API Number	Well	Name	QQ	Sec	Twp	Rng	County	
4300731330	Cassia 28-862		SENW	28	148	10E	Carbon	
Action Code	Current Entity Number	New Entity Number	S	pud Da	te	Entity Assignn Effective Date		
	99999	16594	1/	2/22/200	)7	1/17/6		

Wall 2

API Number	Well I	Vame	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number		Spud Da	te		 tity Assignment Effective Date
Comments:					•		

Well 3

Action Code	Current Entity Number	New Entity Number		Spud Dat	e 🔌	ity Assignment ffective Date
omments:			<u></u>	·		 

### **ACTION CODES:**

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

**RECEIVED** 

JAN 02-2008

Donna Williams	
lame (Please Print)	
Signature Sr. Regulatory Specialist	1/2/2008

Date

### STATE OF UTAH

. "		DIVISION OF OIL, GAS AND I			5. LEASE D	DESIGNATION AND SERIAL NUMBER:
	SUNDRY	Y NOTICES AND REPOR	TS ON V	/ELLS	6. IF INDIA NA	N, ALLOTTEE OR TRIBE NAME:
Do		new wells, significantly deepen existing wells below laterals. Use APPLICATION FOR PERMIT TO DRIL				CA AGREEMENT NAME:
1. T	YPE OF WELL OIL WELL	GAS WELL 🚺 OTHER	₹		i	AME and NUMBER:
	AME OF OPERATOR: ONOCOPHILIPS Company				9. API NUM 430073	
3. A	DDRESS OF OPERATOR:	· · · · · · · · · · · · · · · · · · ·	<sub>ZIP</sub> 79710	PHONE NUMBER: (432) 688-6943	10. FIELD	and POOL, OR WILDCAT:
4. L0	OCATION OF WELL	0.000,000,000,000,000,000,000,000,000,0	ZIPTOTTO	1(102) 000 00 10	<u> </u>	20000000000000000000000000000000000000
F	OOTAGES AT SURFACE: 2332.0	01' FNL & 2007.12' FWL			COUNTY:	Carbon
Q	TR/QTR, SECTION, TOWNSHIP, RAN	NGE, MERIDIAN: SENW 28 14S	10E	Mahanderr	STATE:	UTAH
11.		ROPRIATE BOXES TO INDICA	ATE NATU		EPORT, OR (	OTHER DATA
_	TYPE OF SUBMISSION	ACIDIZE	DEE	TYPE OF ACTION	□ RE	PERFORATE CURRENT FORMATION
Ш	NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	=	CTURE TREAT		DETRACK TO REPAIR WELL
	Approximate date work will start:	CASING REPAIR	NEW	CONSTRUCTION	TE	MPORARILY ABANDON
		CHANGE TO PREVIOUS PLANS	OPE	RATOR CHANGE	πυ	BING REPAIR
		CHANGE TUBING		S AND ABANDON	. —	NT OR FLARE
<b>√</b>	SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME  CHANGE WELL STATUS		BACK DUCTION (START/RESUME)		ATER DISPOSAL ATER SHUT-OFF
	Date of work completion:	COMMINGLE PRODUCING FORMATION	=	LAMATION OF WELL SITE		HER: Spud Well
	12/22/2007	CONVERT WELL TYPE	REC	OMPLETE - DIFFERENT FORMA		
12.	DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS. Clearly show a	all pertinent det	ails including dates, depths, v	volumes, etc.	
12	2/30/2007 - Drilled 11" h					
12	2/31/2007 - Set 8 5/8", 2	24#, J-55 surface csg at 431', ce	ement w/18	5 sks Cl G cement,	circ 14 bbls c	ement to surface.
					<i>r</i>	
•						
NAN	ME (PLEASE PRINT) Donna Wi	illiams		TITLE Sr. Regulator	ry Specialist	
	NATURE	w)	*.	DATE 1/2/2008		
This s	space for State use only)				DEC	EIVED

JAN 07 2008

		3	FORM 9					
	I	DIVISION OF OIL, GAS AND M	ININC	G	5. LEA	SE DESIGNATION AND SERIAL NUMBER:		
	SUNDRY	NOTICES AND REPORT	s o	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do no	ot use this form for proposals to drill no drill horizontal la	ew wells, significantly deepen existing wells below cu sterals. Use APPLICATION FOR PERMIT TO DRILL	rrent bot form for	ttom-hole depth, reenter plugged wells, or to such proposals.	7. UNI	T or CA AGREEMENT NAME:		
1. TYF	PE OF WELL OIL WELL	GAS WELL OTHER				LL NAME and NUMBER: SSIA 28-862		
	ME OF OPERATOR:					NUMBER:		
	nocoPhillips Company					0731330		
	DRESS OF OPERATOR: Box 51810 CITY	Midland STATE TX	<sub>-</sub> 797	PHONE NUMBER: (432) 688-6943		ELD AND POOL, OR WILDCAT: Inkards Wash		
	CATION OF WELL	Difference comment of the process of the comment of		on in the advisor of the control of				
FO	OTAGES AT SURFACE: 2332.0	01' FNL & 2007.12' FWL			COUN	ry: Carbon		
OTI	DIOTE SECTION TOWNSHIP BAN	ge, meridian: SENW 28 14S	10⊑		STATE			
QII	VOIR, SECTION, TOWNSHIP, NAM	GE, MENDIAN. GENTY ZO 143	IUL		SIAIL	UTAH		
11.	CHECK APPR	ROPRIATE BOXES TO INDICA	TE N	ATURE OF NOTICE, REPO	RT, O	R OTHER DATA		
T	YPE OF SUBMISSION			TYPE OF ACTION				
	NOTICE OF INTENT	ACIDIZE		DEEPEN		REPERFORATE CURRENT FORMATION		
Ш	NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING		FRACTURE TREAT		SIDETRACK TO REPAIR WELL		
	Approximate date work will start:	CASING REPAIR		NEW CONSTRUCTION		TEMPORARILY ABANDON		
		CHANGE TO PREVIOUS PLANS	П	OPERATOR CHANGE		TUBING REPAIR		
		CHANGE TUBING	$\Box$	PLUG AND ABANDON		VENT OR FLARE		
1	SUBSEQUENT REPORT	CHANGE WELL NAME	$\Box$	PLUG BACK	一	WATER DISPOSAL		
	(Submit Original Form Only)	CHANGE WELL STATUS		PRODUCTION (START/RESUME)	$\Box$	WATER SHUT-OFF		
	Date of work completion:	COMMINGLE PRODUCING FORMATIONS		RECLAMATION OF WELL SITE		OTHER:		
	5/2/2008	CONVERT WELL TYPE		RECOMPLETE - DIFFERENT FORMATION				
12	DESCRIBE PROPOSED OR CO	DMPLETED OPERATIONS. Clearly show all	nertine	nt details including dates, depths, volum	es etc			
		•	-					
Dat	e of first production for	the above referenced well is 5/2	2/200	8: 0 BO, 0 BW, 1004 MCFD	).			

NAME (PLEASE PRINT) Donna Williams

TITLE

Sr. Regulatory Specialist

DATE

5/6/2008

(This space for State use only)

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(5/2000)

#### STATE OF UTAH AMENDED REPORT 🗌 FORM 8 DEPARTMENT OF NATURAL RESOURCES (highlight changes) 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING 6. IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG 1a. TYPE OF WELL: 7. UNIT or CA AGREEMENT NAME OIL GAS VELL OTHER NA b. TYPE OF WORK: 8. WELL NAME and NUMBER: DEEP-RE-ENTRY DIFF. RESVR. Cassia 28-862 2. NAME OF OPERATOR: 9. API NUMBER: ConocoPhillips Company 4300731330 10 FIELD AND POOL, OR WILDCAT 3. ADDRESS OF OPERATOR: PHONE NUMBER: STATE TX ZIP 79710 (432) 688-6943 Drunkards Wash P.O. Box 51810 city Midland 4. LOCATION OF WELL (FOOTAGES) 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: AT SURFACE: 2332.01 FNL & 2007.12 FWL SENW 28 14S 10E AT TOP PRODUCING INTERVAL REPORTED BELOW: 12. COUNTY AT TOTAL DEPTH: UTAH Carbon 14. DATE SPUDDED: 15. DATE T.D. REACHED: 16. DATE COMPLETED: 17. ELEVATIONS (DF, RKB, RT, GL): READY TO PRODUCE V ABANDONED 12/22/2007 5514.9 GL 1/8/2008 4/30/2008 18. TOTAL DEPTH: 19. PLUG BACK T.D.: MD 1459 20. IF MULTIPLE COMPLETIONS, HOW MANY? 21, DEPTH BRIDGE MD TABLES PLUG SET: 22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) 23. NO 🗸 WAS WELL CORED? YES (Submit analysis) DI/GL/GR, CD/CN/GR NO 🗾 WAS DST RUN? YES [ (Submit report) DIRECTIONAL SURVEY? NO 7 YES (Submit copy) 24. CASING AND LINER RECORD (Report all strings set in well) STAGE CEMENTER DEPTH CEMENT TYPE & NO. OF SACKS SLURRY HOLE SIZE SIZE/GRADE WEIGHT (#/ft.) TOP (MD) BOTTOM (MD) CEMENT TOP \*\* AMOUNT PULLED VOLUME (BBL) 8 5/8 J55 CIG - 185 11 24 431 Surf circ None 77/8 M80 15.5 1,489 Poz G 300 Surf circ None 25. TUBING RECORD DEPTH SET (MD) PACKER SET (MD) SIZE DEPTH SET (MD) PACKER SET (MD) SIZE DEPTH SET (MD) PACKER SET (MD) SIZE 27. PERFORATION RECORD 26. PRODUCING INTERVALS FORMATION NAME TOP (MD) BOTTOM (MD) TOP (TVD) BOTTOM (TVD) INTERVAL (Top/Bot - MD) SIZE NO. HOLES PERFORATION STATUS 914 1.080 84 Open 🗸 (A) Ferron Squeezed 972 102 Open Squeezed 914 920 (C) 36 Open 🏑 Squeezed (D) 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. AMOUNT AND TYPE OF MATERIAL DEPTH INTERVAL Frac w/33 bbls 15% HCL, 1,500# 100 mesh sand, 86,000# 16/30 brown sand, 1,052 BW 1044-1080 Frac w/40 bbls 15% HCL, 2,000# 100 mesh sand, 100,000# 16/30 brown sand, 1,257 BW 948-972 Frac w/14 bbls 15% HCL, 1,000# 100 mesh sand, 40,000# 16/30 brown sand, 729 BW 914-920 29. ENCLOSED ATTACHMENTS: 30. WELL STATUS: Z ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY Producing SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: RECEIVED

(CONTINUED ON BACK)

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31. INITIAL PRO	DUCTION			INT	ERVAL A (As sho	wn in itom #26)				
DATE FIRST PR	ODUCED:	TEST DATE:		HOURS TESTER	<b>)</b> :	TEST PRODUCTION	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
5/2/2008		5/2/2008	}	1 :	24	RATES: →	0	1,004	0	Flowing
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	N OIL - BBL:	GAS - MCF: 1,004	WATER - BBL:	INTERVAL STATUS: Open
		<u> </u>		<u></u>	T70444 D (A b	<u> </u>		1,004	1	ТОРОП
					ERVAL B (As sho	· · · · · · · · · · · · · · · · · · ·	.,			1
DATE FIRST PR	ODUCED:	TEST DATE:		HOURS TESTER	<b>)</b> ;	TEST PRODUCTION RATES: →	I OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG, PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:
		· · · · · · · · · · · · · · · · · · ·		INT	ERVAL C (As sho	wn in item #26)				
DATE FIRST PR	ODUCED:	TEST DATE:		HOURS TESTED	D:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG, PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	N OIL BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:
	<u> </u>		<b>!</b>	INT	ERVAL D (As sho	wn in item #26)	·· <del>······</del>			
DATE FIRST PR	ODUCED:	TEST DATE:		HOURS TESTEL	D:	TEST PRODUCTION RATES: →	OIL-BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG, PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	N OIL - BBL:	GAS MCF:	WATER - BBL:	INTERVAL STATUS:
32. DISPOSITIO	N OF GAS (Sold,	Used for Fuel, V	/ented, Etc.)	<b></b>	- <del>!</del>	·				•
	OF POROUS ZON	TO Hadude Ass	- Warnin				34. FORMATION	I on MARKERS.		··· · · · · · · · · · · · · · · · · ·
Show all importa	nt zones of porosit	y and contents th	•	als and all drill-stem recoveries.	n tests, including de					
Formatio			Bottom (MD)	Descrip	itions, Contents, etc	ì.		Name		Top (Measured Depth)
35. ADDITIONAL	L REMARKS (Incl	ude plugging pr	ocedure)				Bluegate Ferron Ferron Coa Tununk	ıl		736 877 915 1,188
	•					***	led led	<u> </u>		
36. I hereby cer	tify that the foreg	olog and attach	ed information is o	complete and com	ect as determinad	from all available rea	ords.			
NAME (PLEAS	E PRINT) Don	na William	8		······································	TITLE Sr. I	Regulatory	Specialist		

This report must be submitted within 30 days of

- completing or plugging a new well
   drilling horizontal laterals from an existing well bore
   recompleting to a different producing formation
- reentering a previously plugged and abandoned well

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- significantly deepening an existing well bore below the previous bottom-hole depth
   drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests
- \* ITEM 20: Show the number of completions if production is measured separately from two or more formations.
- \*\* ITEM 24: Cement Top Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

SIGNATURE

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(8/2000)